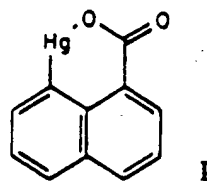


XP-002105833

6001 Chemical Abstracts, Columbus, Ohio, US

Vol: 90 (1979) 01-01 No. 1Page: 596

90: 6486t Syntheses of naphthoic mercury compounds and their reaction with nucleophilic reagents. Takahashi, Teruo (Fac. Pharm., Toho Univ., Funaba, Japan). *Yakugaku Zasshi* 1978, 98(3), 358-65 (Japan). Mercuration of naphthalic



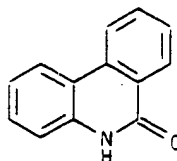
anhydride and its derivs. was examd. Hg was introduced into the 1-position of 2- and 4-nitro derivs. and into the 8-position in the 3-nitro deriv. I reacted with various nucleophilic reagents and produced 1-naphthoic acid derivs. with a substituent in the peri position.

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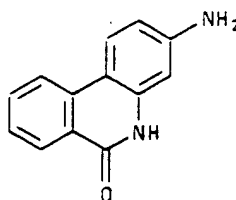
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AN 1979:439035 ZCAPLUS
 DN 91:39035
 TI Studies of ortho-substituted derivatives of biphenyl. I. Nitration of biphenyl-2-carboxylic acid and chemical properties of its nitro-substituted derivatives
 AU Migachev, G. I.
 CS Nauchno-Issled. Inst. Plast. Mass, Moscow, USSR
 SO Zh. Org. Khim. (1979), 15(3), 567-72
 CODEN: ZORKAE; ISSN: 0514-7492
 DT Journal
 LA Russian
 IT 1015-89-0P 22860-48-6P
 (prepn. of)
 RN 1015-89-0 ZCAPLUS
 CN 6(5*H*)-Phenanthridinone (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



RN 22860-48-6 ZCAPLUS
 CN 6(5*H*)-Phenanthridinone, 3-amino- (7CI, 8CI, 9CI) (CA INDEX NAME)



AB Nitration of 2-PhC₆H₄CO₂H with HNO₃ (d. 1.42, 1.46 and 1.51) afforded 7:2 2- and 4-O₂NC₆H₄C₆H₄CO₂H-2, 7:4 2- and 4-O₂NC₆H₄C₆H₃(CO₂H)NO₂-2,4 and 2,4-(O₂N)₂C₆H₃C₆H₃(CO₂H)NO-2,4, resp. The high orth/para ratio in the mononitration product resulted from the participation of the CO₂H group in converting intermediate π - σ -complex. Redn. of the *o*-nitro derivs. with Fe or SnCl₂ afforded phenanthridinones, and heating the *o*-nitro derivs. with DMF gave dibenzo[*b,d*]pyran-6-ones.

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